

## NOVEL INTEGRIN $\alpha$ SUBUNIT AND USES THEREOF

### Abstract of the Disclosure

The invention provides human and murine isolated nucleic acid molecules, designated A259  
5 nucleic acid molecules, which encode secreted proteins with homology to integrin  $\alpha$  subunits,  
specifically to integrin  $\alpha 10$ . The invention also provides antisense nucleic acid molecules,  
expression vectors containing the nucleic acid molecules of the invention, host cells into which the  
expression vectors have been introduced, and non-human transgenic animals in which a nucleic acid  
molecule of the invention has been introduced or disrupted. The invention still further provides  
10 isolated polypeptides, fusion polypeptides, antigenic peptides and antibodies. Diagnostic, screening  
and therapeutic methods utilizing compositions of the invention are also provided.